

---

## METHOD AND MICROELECTRONIC DEVICE FOR MULTI-SITE MOLECULE DETECTION

---

Inventor: **Golovlev; Valeri V.** (107 Canterbury Rd., Oak Ridge TN 37830)

Filed: **March 2, 2002**

**Current U.S. Class:** 435/6; 435/291; 435/16; 204/403; 437/40;  
257/414; 436/518; 435/7.1; 205/777.5

**Intern'l Class:** G01N 27/00; 27/48; 33/48; 33/553; 33/58;  
C12Q 1/68

**Field of Search:** 204/400, 403 422/82.01, 82.02 435/6, 7.1, 7.2, 287.1,  
287.2 436/518, 524, 525, 527, 806, 809

### COPIES OF IDS CITATIONS

ID	Item	Cited on Page
P1	US Pat. No. 5,187,096	2
P2	US Pat. No. 5,532,128	2
P3	US Pat. No. 5,543,024	2
P4	US Pat. No. 5,670,322	2, 11
P5	US Pat. No. 5,693,545	2
P6	US Pat. No. 5,801,428	2
P7	US Pat. No. 6,210,977	2
P8	US Pat. No. 6,225,059	2
P9	US Pat. No. 6,319,674	2
P10	US Pat. No. 6,329,209	2
P11	US Pat. No. 6,331,244	2
P12	US Pat. No. 6,322,979	2
P13	EP 0402917	2, 8
P14	WO 90/04652	2
P15	WO 90/05300	2
P16	WO 90/10977	2
P17	WO 95/12808	3
P18	WO 97/41425	3
P19	US Pat. No. 5,846,708	8, 11
P20	US Pat. No. 5,922,617	8
P21	US Pat. No. 6,087,112	8
P22	US Pat. No. 6,197,506	8
P23	US Pat. No. 6,194,148	8

P24	US Pat. No.6,221,592	8
P25	WO 92/10588	8
P26	WO 98/01533	8
P27	US Pat. No. 6,344,877	26
A1	Chrissey <i>et al.</i>	3
A2	Wang <i>et al.</i>	3
A3	Aslanoglu <i>et al.</i>	3
A4	Steel <i>et al.</i>	3
A5	Levicky <i>et al.</i>	3
A6	Kimura <i>et al.</i>	3
A7	Bartlett <i>et al.</i>	3
A8	Strother <i>et al.</i>	4
A9	Addessi <i>et al.</i>	4
A10	Kumar <i>et al.</i>	4
A11	Service	4
A12	MacBeath <i>et al.</i>	4
A13	Wildt <i>et al.</i>	4
A14	Emili <i>et al.</i>	4
A15	Chyan <i>et al.</i>	4
A16	Qingwen <i>et al.</i>	4
A17	Heaton <i>et al.</i>	4
A18	Xu <i>et al.</i>	5
A19	Podymogin <i>et al.</i>	5
A20	Huang <i>et al.</i>	5
A21	Huang <i>et al.</i>	5
A22	McKay <i>et al.</i>	5
A23	Maxam <i>et al.</i>	6
A24	Saiki <i>et al.</i>	7
A25	Chee <i>et al.</i>	7
A26	Pastinen <i>et al.</i>	7
A27	Fodor	7
A28	Landegren <i>et al.</i>	7
A29	Cho <i>et al.</i>	7
A30	Kricka <i>et al.</i>	7
A31	Southern <i>et al.</i>	7
A32	Duggan <i>et al.</i>	7
A33	Cheung <i>et al.</i>	7
A34	Lipshutz <i>et al.</i>	7
A35	Ge <i>et al.</i>	8
A36	McBeath <i>et al.</i>	8
A37	Gaberlein <i>et al.</i>	11
A38	Poghossian <i>et al.</i>	12
A39	Bagotzky <i>et al.</i>	24
A40	Gergen <i>et al.</i>	25

A41	Parham <i>et al.</i>	28
A42	Kremsky	28
A43	Lund <i>et al.</i>	28
A44	Hickman <i>et al.</i>	29
A45	Yamada <i>et al.</i>	29
A46	Kempainen <i>et al.</i>	32
A47	Suni <i>et al.</i>	32
A48	Suni <i>et al.</i>	32
A49	Taton <i>et al.</i>	34
A50	Morel <i>et al.</i>	35
A51	Wetmur <i>et al.</i>	36
A52	Wetmur .	36